

RAW SEQUENCE LISTING

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Application Serial Number: 09/936,367C
Source: FW16
Date Processed by STIC: 3/14/07

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IFW16

RAW SEQUENCE LISTING

DATE: 03/14/2007

PATENT APPLICATION: US/09/936,367C

TIME: 10:20:45

Input Set : F:\11\112843-29.ST25.txt

Output Set: N:\CRF4\03142007\I936367C.raw

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3 <110> APPLICANT: AFFOLTER, Michael
4     DE REU, Johannes
5     VAN DEN BROEK, Peter
7 <120> TITLE OF INVENTION: EXPRESSION OF PROTEOLYTIC ENZYMES IN KOJI MOLD IN THE
PRESENCE OF
8     CARBON SOURCES
10 <130> FILE REFERENCE: 112843-29
12 <140> CURRENT APPLICATION NUMBER: US 09/936,367C
13 <141> CURRENT FILING DATE: 2002-01-23
15 <150> PRIOR APPLICATION NUMBER: EP 99 104 923.0
16 <151> PRIOR FILING DATE: 1999-03-11
18 <150> PRIOR APPLICATION NUMBER: PCT/EP00/01796
19 <151> PRIOR FILING DATE: 2000-03-02
21 <160> NUMBER OF SEQ ID NOS: 5
23 <170> SOFTWARE: PatentIn version 3.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 4238
27 <212> TYPE: DNA
28 <213> ORGANISM: Aspergillus oryzae
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35 gcgtgggtcga agaacgacac ggaagaagcc ccggaagacg ccttctctag gcaacaaatg      180
37 attgtactct tatgatactc aatacggtag aaaatagaga attgagatac gaaagctgac      240
39 tcatcagaac agaataaggg gaatttttga ttagcaaata acaataataa ttatacaaaa      300
41 aaacaaataa aaaaatttag gggactcccc acccgctgta atcctgggtg tatctcaaag      360
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53 tatttccctt atatgctcct atccccagac catttctcca gatttctctc tctttcccct      720
55 ctctcccttt cgacaaattg ttgcttgact acatccatct cgggttacct acttacagta      780
57 ccaattccgg atatactcta tcccacccat caccacattc cataacagcg ccctttcatt      840
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71 cgccagtggg tagctccaag gctccctcta ccccgctccg tactcagtcg aactctacca      1260
73 tggcctcgtc tgtagcttta ctaccgcccc tcatgaaggg tgctcgctcc gcaacggaag      1320
75 aagcgcgcca ggatcttccc cgtccataca agtgtccctt gtgtgatecg gccttccatc      1380
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79 agttccccggg ctgcacaaaa cgcttttagtc gctctgacga gctgacacgc cactcaagaa 1500
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83 ctgccgctgc cggacaagag aatgcaatgg taaatgtgac caacgcgggc tcgttgatgc 1620
85 ccccgcccac aaagcctatg acccgctctg cgctgtctc tcagggttga tctccggatg 1680
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91 catctcaggt tgagcgtgat gaacaacatt ttgggttcca cgctgggtcca cgtaatcacc 1860
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171 cagcgacacc cccgaacaga aaggatggga tcgcatgc 4238
174 <210> SEQ ID NO: 2
175 <211> LENGTH: 431

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Output Set: N:\CRF4\03142007\I936367C.raw

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176 <212> TYPE: PRT
177 <213> ORGANISM: Aspergillus oryzae
179 <400> SEQUENCE: 2
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182 1 5 10 15
185 Gln Asn Asn Glu Thr Gly Ser Ala Pro Ser Thr Pro Val Asp Ser Ser
186 20 25 30
189 Lys Ala Pro Ser Thr Pro Ser Ser Thr Gln Ser Asn Ser Thr Met Ala
190 35 40 45
193 Ser Ser Val Ser Leu Leu Pro Pro Leu Met Lys Gly Ala Arg Pro Ala
194 50 55 60
197 Thr Glu Glu Ala Arg Gln Asp Leu Pro Arg Pro Tyr Lys Cys Pro Leu
198 65 70 75 80
201 Cys Asp Arg Ala Phe His Arg Leu Glu His Gln Thr Arg His Ile Arg
202 85 90 95
205 Thr His Thr Gly Glu Lys Pro His Ala Cys Gln Phe Pro Gly Cys Thr
206 100 105 110
209 Lys Arg Phe Ser Arg Ser Asp Glu Leu Thr Arg His Ser Arg Ile His
210 115 120 125
213 Asn Asn Pro Asn Ser Arg Arg Ser Asn Lys Ala His Leu Ala Ala Ala
214 130 135 140
217 Ala Ala Ala Ala Ala Ala Gly Gln Gly Gln Glu Asn Ala Met Val Asn
218 145 150 155 160
221 Val Thr Asn Ala Gly Ser Leu Met Pro Pro Pro Thr Lys Pro Met Thr
222 165 170 175
225 Arg Ser Ala Pro Val Ser Gln Val Gly Ser Pro Asp Val Ser Pro Pro
226 180 185 190
229 His Ser Phe Ser Asn Tyr Ala Gly His Met Arg Ser Asn Leu Gly Pro
230 195 200 205
233 Tyr Ala Arg Asn Thr Glu Arg Ala Ser Ser Gly Met Asp Ile Asn Leu
234 210 215 220
237 Leu Ala Thr Ala Ala Ser Gln Val Glu Arg Asp Glu Gln His Phe Gly
238 225 230 235 240
241 Phe His Ala Gly Pro Arg Asn His His Leu Phe Ala Ser Arg His His
242 245 250 255
245 Thr Gly Arg Gly Leu Pro Ser Leu Ser Ala Tyr Ala Ile Ser His Ser
246 260 265 270
249 Met Ser Arg Ser His Phe His Glu Asp Glu Asp Gly Tyr Thr His Arg
250 275 280 285
253 Val Lys Arg Ser Arg Pro Asn Ser Pro Asn Ser Thr Ala Pro Ser Ser
254 290 295 300
257 Pro Thr Phe Ser His Asp Ser Leu Ser Pro Thr Pro Asp His Thr Pro
258 305 310 315 320
261 Leu Ala Thr Pro Ala His Ser Pro Arg Leu Arg Ser Leu Gly Ser Ser
262 325 330 335
265 Glu Leu His Leu Pro Ser Ile Arg His Leu Ser Leu His His Thr Pro
266 340 345 350
269 Ala Leu Ala Pro Met Glu Pro Gln Pro Glu Gly Pro Asn Tyr Tyr Ser
270 355 360 365

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Input Set : F:\11\112843-29.ST25.txt

Output Set: N:\CRF4\03142007\I936367C.raw

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273 Pro Ser Gln Ser His Gly Pro Thr Ile Ser Asp Ile Met Ser Arg Pro
274      370                      375                      380
277 Asp Gly Thr Gln Arg Lys Leu Pro Val Pro Gln Val Pro Lys Val Ala
278 385                      390                      395                      400
281 Val Gln Asp Met Leu Asn Pro Ser Ala Gly Phe Ser Ser Val Ser Ser
282                      405                      410                      415
285 Ser Thr Asn Asn Ser Val Ala Gly Asn Asp Leu Ala Glu Arg Phe
286                      420                      425                      430
289 <210> SEQ ID NO: 3
290 <211> LENGTH: 29
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Oligonucleotide
297 <400> SEQUENCE: 3
298 cttccccgtc catagtagtg tccccctgtg                                29
301 <210> SEQ ID NO: 4
302 <211> LENGTH: 29
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Oligonucleotide
309 <400> SEQUENCE: 4
310 cacaggggac actactatgg acggggaag                                29
313 <210> SEQ ID NO: 5
314 <211> LENGTH: 6
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial
318 <220> FEATURE:
319 <223> OTHER INFORMATION: consensus of creA DNA-binding site
321 <400> SEQUENCE: 5
323 Ser Tyr Gly Arg Gly Gly
324 1                      5

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/936,367C

DATE: 03/14/2007
TIME: 10:20:46

Input Set : F:\11\112843-29.ST25.txt
Output Set: N:\CRF4\03142007\I936367C.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5

VERIFICATION SUMMARY

DATE: 03/14/2007

PATENT APPLICATION: US/09/936,367C

TIME: 10:20:46

Input Set : F:\11\112843-29.ST25.txt

Output Set: N:\CRF4\03142007\I936367C.raw